

There's a lot of

life

in a barrel of oil



Visit our web site at www.api.org and
learn more about oil and natural gas!

We keep America **going strong.**[®]

*America's Oil and
Natural Gas Industry*

Brought to you by the proud members of
API
1220 L Street, NW
Washington, DC 20005-4070
USA

Copyright 2006 - API. All rights reserved. The *going strong* slogan is a registered
trademark of API in the United States and/or other countries.
API Creative Services | 2006-070 | 11.06 | PDF



Most of us know that the gasoline that powers our cars comes from oil. Few are aware, however, of how many other things get their start from a barrel of oil. Everyday things, from synthetic fabrics we wear year-round to medicines that make us feel better to fertilizer to help our garden grow – and just about every toy our children play with.

We keep America **going strong.**[®]

*America's Oil and
Natural Gas Industry*

Facts about oil



From the time your digital clock alarm rings in the morning to the time you turn in for the night, oil touches your life in ways you may never have imagined.

Thousands of products – from your toothpaste to your telephone, your credit cards to your computer, and your vitamins to your shampoo – all got their start from oil.

Understanding how much life there is in a barrel of oil helps us discover how our nation's oil and natural gas industry keeps America going strong.



Oil helps you get around. Oil provides about 40% of the energy Americans consume and 97% of our transportation fuels.



Oil goes to work. The U.S. oil and natural gas industry employs nearly 1.5 million people.

There's oil right here. In the U.S. alone, the total remaining technically recoverable oil may exceed 162 billion barrels – about 25 years' worth at the current rate of consumption. The total remaining technically recoverable world resources may total 2.3 trillion barrels.



The oil industry is a steward of the environment. Between 1995 and 2004, the U.S. oil and natural gas industry spent about \$188 billion to protect

the nation's environment. This amounts to \$299 for every man, woman and child in the U.S. Thanks to directional drilling, slimhole rigs and other technological advances, oil can be found with less disturbance to wetlands and other sensitive environments.

Oil has a second life. Two gallons of recycled used oil can generate enough electricity to run the average household for almost 24 hours, cook 48 meals in a microwave oven, blow dry hair 216 times, vacuum a house for 15 months or run a TV set for 180 hours. Motor oil doesn't wear out – it just gets dirty. The oil you take to a collection center to be recycled can be reprocessed and used in furnaces for heat, used in power plants to generate electricity, and re-refined into lubricating oils that meet the same specifications as virgin motor oil. For more information, visit www.recycleoil.org.



Oil products are cleaner. Thanks to improved automobile technology and cleaner burning gasolines, today it would take 37 new cars to produce the same tailpipe emissions as one new car in the 1960s.

If it weren't for petrochemicals, you could kiss lipstick goodbye. Oil does a lot more than simply provide fuel for our cars and trucks, keep our homes and offices comfortable, and power our industries. Oil is a key ingredient in making thousands of products that make our lives easier – and in many cases – help us live better and longer lives. From lipstick to aspirin and diapers to roller blades, petrochemicals play a vital part. Here are just a few examples.

Antihistamines	Hang Gliders
Antiseptics	Heart Valve Replacements
Artificial Hearts	House Paint
Aspirin	Infant Seats
Audiocassettes	Ink
Baby Strollers	Insecticides
Balloons	Life Jackets
Bandages	Lipstick
Blenders	Luggage
Cameras	Medical Equipment
Candles	Nylon Rope
CD Players	Pacemakers
Clothing	Pantyhose
Compact Discs	Patio Screens
Computers	Perfumes
Containers	Photographic Film
Crayons	Photographs
Credit Cards	Piano Keys
Dentures	Roller Blades
Deodorant	Roofing
Diapers	Safety Glass
Digital Clocks	Shampoo
Dinnerware	Shaving Cream
DVDs	Shower Curtains
Dyes	Slippers
Eyeglass Frames	Soft Contact Lenses
Fertilizers	Sunglasses
Food Preservatives	Surfboards
Food Storage Bags	Surgical Equipment
Footballs	Syringes
Foul Weather Gear	Telephones
Furniture	Tents
Garbage Bags	Toothpaste
Glue	Toys
Golf Balls	Umbrellas
Hair Dryers	Vitamin Capsules

What a barrel of crude oil makes.

Product	Gallons per Barrel
Gasoline	19.4
Distillate Fuel Oil <small>(Includes both home heating oil and diesel fuel)</small>	10.5
Kerosene-Type Jet Fuel	4.1
Coke	2.2
Residual Fuel Oil <small>(Heavy oils used as fuels in industry, marine transportation, and for electric power generation)</small>	1.7
Liquefied Refinery Gases	1.5
Still Gas	1.8
Asphalt and Road Oil	1.4
Raw Material for Petrochemicals	1.1
Lubricants	0.4
Kerosene	0.2
Other	0.4

Figures are based on average yields for U.S. refineries in 2005. One barrel contains 42 gallons of crude oil. The total volume of products made is 2.7 gallons greater than the original 42 gallons of crude oil. This represents "processing gain."



Visit our web site at
www.api.org and
learn more about oil
and natural gas!